

Campus*Life*Services

DISTRIBUTION & STORAGE

Delivery Reduction

June 29, 2011

Agenda

- ❑ Distribution & Storage Overview
- ❑ Central Distribution Sustainability Project
- ❑ Carbon and Traffic Reduction Effort
- ❑ Ongoing and Future Efforts

UCSF Distribution & Storage:

Vision

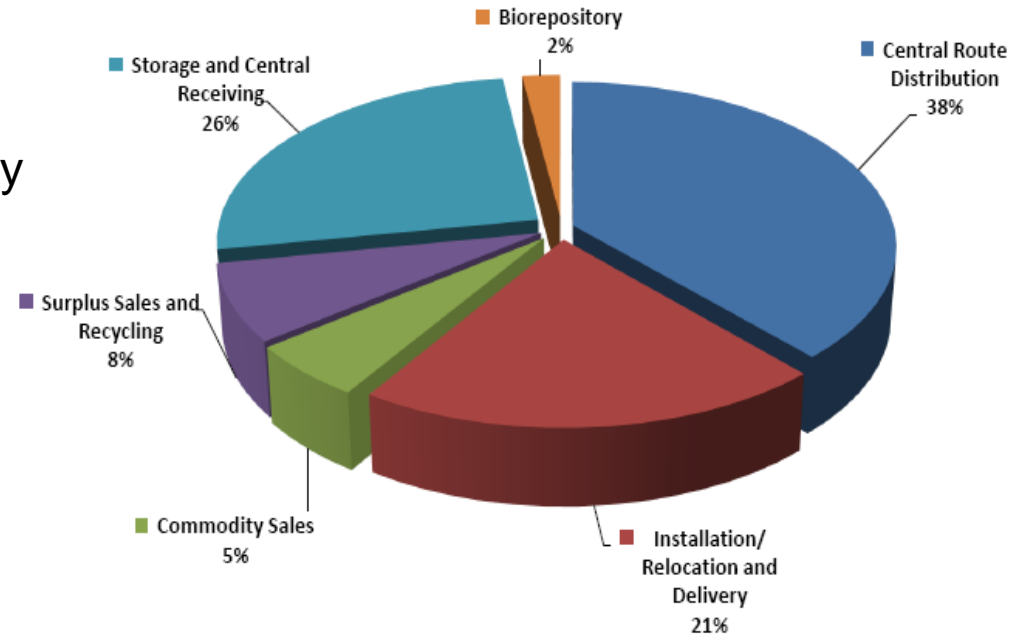
We are valued leaders and partners in providing distribution, warehousing and surplus programs and services, which sustain and enrich campus life at UCSF.

Mission

Our mission is to provide innovative and cost effective services and products to UCSF enabling the University to better accomplish its mission of ***advancing health worldwide***.

Business Lines & Effort

- ❑ Central Route Distribution
 - Mailstop Delivery & Courier
- ❑ Installation/ Relocation & Delivery
- ❑ Commodity Sales
 - Paper / Toner
 - Cleaning Solutions
 - Life Science Products
 - Gasses and Tax Free Alcohol
- ❑ Surplus Sales and Recycling
- ❑ Storage and Central Receiving
- ❑ Biorepository (Freezer Farm)
 - -80° Mechanical Freezer
 - -196° Cryogenic Equipment (LN₂)



	Total Driving Portion	Parnassus Driving Portion
Central Route Distribution	10%	2%
Installation/ Relocation and Delivery	3%	1%



Central Distribution Sustainability Project

- ❑ Team of MBA students conducted a one day study as a snap shot of vehicle traffic conditions on the Parnassus Campus
- ❑ Team counted and categorized vehicles driving on Parnassus Avenue, between 5th Avenue and Medical Center Way
- ❑ Analysis consists of quantification of the CO2 emissions and noise level

One-Day Study: Summary Data

	USPS	FedEx, UPS, DHL	Taxi	UCSF Shuttle	Medical Center	D&S	Various Vendors	Totals	Noise Level (db)
7:30 to 8:30	0	2	20	50	0	0	14	86	64.30
8:30 to 9:30	0	3	18	45	2	0	13	81	64.60
9:30 to 10:30	0	3	16	38	0	1	15	73	64.60
10:30 to 11:30	0	3	15	36	1	1	13	69	64.40
11:30 to 12:30	0	1	22	34	0	0	10	67	62.90
12:30 to 1:30	2	0	29	36	0	2	15	84	64.60
1:30 to 2:30	0	2	29	40	1	0	11	83	63.90
2:30 to 3:30	0	1	21	33	0	0	9	64	62.60
3:30 to 4:30	0	2	14	39	1	1	4	61	61.90
Number of Vehicles	2	17	184	351	5	5	104	668	63.76
Stay Hours	1	13	No Data	No Data	2	3	35	54	
Daily Distance (in Miles)	0.4	3.5	38.3	73.1	1.0	1.0	21.7	139	
Annual CO2 Emission (in Tons)	0.14	1.20	3.52	6.29	0.35	0.35	7.36	19.22	
Vehicle Traffic Portion	0.3%	2.5%	27.5%	52.5%	0.7%	0.7%	15.6%		
CO2 Emission Portion	0.7%	6.3%	18.3%	32.7%	1.8%	1.8%	38.3%		

- ❑ Along Parnassus the noise level ranges 61.9 to 64.6 db, within the normal range on a typical street, 60-65 db
- ❑ The team confirms significant greenhouse gas reduction by the consolidation of deliveries from individual vendor trucks to UCSF trucks

Traffic/Carbon Reduction Efforts

- ❑ Cross Dock at Oyster Point
 - Uncrate, inspect and re-deliver large and high-value equipment
 - Last mile delivery of parcels from Fisher and VWR
 - Expand supply chain program from compressed medical gas cylinders to include office, lab, and janitorial supplies

- ❑ Consolidate delivery routes
 - Reduction from 19 to 12 routes or 15 to 13 vehicles

- ❑ Integrate load planning
 - Schedule delivery/ collection with other existing functions, i.e. surplus collection with moving

D&S Takeaway from "Various Vendors" at Parnassus

	Delivery Points	Average Trucks per Day	CO2 Emission per year (tons)
Equipment Re-delivery	6	0.4	0.14
Supply Program	18	1.8	0.64
Parcels (VRW/Fisher)	18	2.0	0.71
Gas Cylinders	135	3.2	1.13
Moves and Installations	19	1.0	0.35
Boxes and Files Delivery	7	1.0	0.35
		9.4	3.33

Ongoing and Future Efforts

- ❑ Continue to negotiate with FedEx, UPS, and OfficeMax in expanding cross docking/central distribution
- ❑ Position Oyster Point as major staging during construction, i.e. Medical Center or with Labs for storage of freezers
- ❑ Continue to collect and analyze data to identify additional opportunities to reduce traffic congestion at UCSF sites
 - Create additional off-street loading space at west end of Parnassus campus
 - Investigate increasing or re-arranging curbside loading on Parnassus Avenue to minimize congestion
- ❑ Continue to work with Office of Sustainability for opportunities such as ewaste management and shredding service

THANK YOU!

Questions & Answers